

AMENDMENT(S) TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application:

Listing of Claims:

1. (Currently amended) A method for detecting an anomaly in cardiac activity of a patient, comprising:

a) providing at least one sensor (12) for determining at least one parameter that characterizes the cardiac activity of the patient,

b) transmitting the at least one parameter that characterizes the cardiac activity to a stationary server which stores said at least one parameter, wherein said server is adapted so that said at least one parameter and/or patient data can be downloaded from said server or inspected with the aid of an internet browser,

c) automatically evaluating the at least one parameter of step (b) with respect to at least one parameter that characterizes the anomaly in the cardiac activity, and

d) generating an alarm signal if a limiting value for the at least one parameter that characterizes the anomaly in the cardiac activity is exceeded,

wherein the evaluating step (c) and/or generating step (d) are/is carried out remotely to the patient.

2. (Previously presented) The method according to Claim 1, wherein the anomaly in the cardiac activity of a patient is a state of fibrillation and the parameter that characterizes the anomaly in the cardiac activity is a fibrillation parameter.

3. (Previously Presented) The method according to Claim 1, comprising the step of carrying out a metrological acquisition of an EKG signal, a pulse signal and/or a hemodynamics signal.

4. (Previously presented) The method according to Claim 1, comprising the step of arranging said at least one sensor (12) for acquiring measuring values in a region of at least one adhesive pad, wristband, neckband, thoracic band, abdominal band, hip band and/or in the region of a respiratory mask.

5. (Previously presented) The method according to Claim 1, comprising the step of spatially separating sensory acquisition of measuring data by said at least one sensor (12) and the evaluation of the measuring signals.

6. (Previously presented) The method according Claim 1, comprising the step of carrying out the sensory acquisition of measuring data by said at least one sensor (12) and the evaluation of the measuring signals spatially adjacent to one another, and transmitting the results of the signal evaluation to a different location.

7. (Previously presented) The method according to Claim 1, comprising the steps of arranging a signal evaluation unit (13) as part of said evaluating step (c), and transmitting either measuring data acquired by the sensor (12) in a wireless fashion to the signal evaluation unit (13), or the results of signal evaluation (13) in a wireless fashion to a signal generator (14).

8. (Previously presented) The method according to Claim 1, comprising generating an acoustical and/or optical alarm in step (d).

9. (Previously presented) The method according to Claim 1, wherein the alarm signal comprises a control signal arranged to initiate direct activation of a defibrillator.

10. (Previously Presented) The method according to Claim 1, comprising the step of storing values of the at least one parameter that characterizes the cardiac activity of a patient.

11. (Previously Presented) The method according to Claim 1, comprising the step of generating a flag signal that causes the delivery of the alarm signal if a limiting value is exceeded.

12. (Previously Presented) The method according to Claim 11, comprising the step of transmitting the flag signal in a wire-bound or wireless fashion.

13. (Previously Presented) The method according to Claim 12, wherein the flag signal is transmitted by short-range data transmission, or long-range data transmission.

14. (Previously presented) The method according to Claim 11, comprising the steps of storing values of the at least one parameter that characterizes the cardiac activity of a patient or information on a storage location, and transmitting the stored values of the at least one parameter that characterizes the cardiac activity of a patient or information on a storage location, from which the values can be retrieved, together with the flag signal.

15. (Previously Presented) The method according to Claim 11, comprising the step of transmitting patient data or information on a storage location, from which the patient data can be retrieved, together with the flag signal.

16. (Previously Presented) The method according Claim 1, comprising the steps of determining if and how the patient is moving, and using this information for determining if a limiting value is exceeded together with the parameters that characterize the cardiac activity of a patient.

17. (Currently Amended) A device for detecting an anomaly in the cardiac activity of a patient, comprising

at least one sensor (12) arranged for acquiring at least one signal that characterizes the cardiac activity of the patient,

at least one stationary server to which the signal that characterizes the cardiac activity of the patient is sent and which stores said signal, wherein said server is adapted so that said at least one signal and/or patient data can be downloaded from said server or inspected with the aid of an Internet browser,

at least one signal evaluation unit (13) for evaluating the signal, and

a signal transmitter (15) for generating an alarm signal,

wherein the signal evaluation unit (13) is provided with an analyzer for determining if a limiting value for at least one parameter that characterizes the anomaly in the cardiac activity is exceeded by the signal from the sensor (12) and

said evaluation unit (13) and/or signal transmitter (15) are/is positioned remotely from the patient.

18. (Previously Presented) The device according to Claim 17, wherein the anomaly in the cardiac activity of a patient is a state of fibrillation, and the parameter that characterizes the anomaly in the cardiac activity is a fibrillation parameter.